

FIG. 1

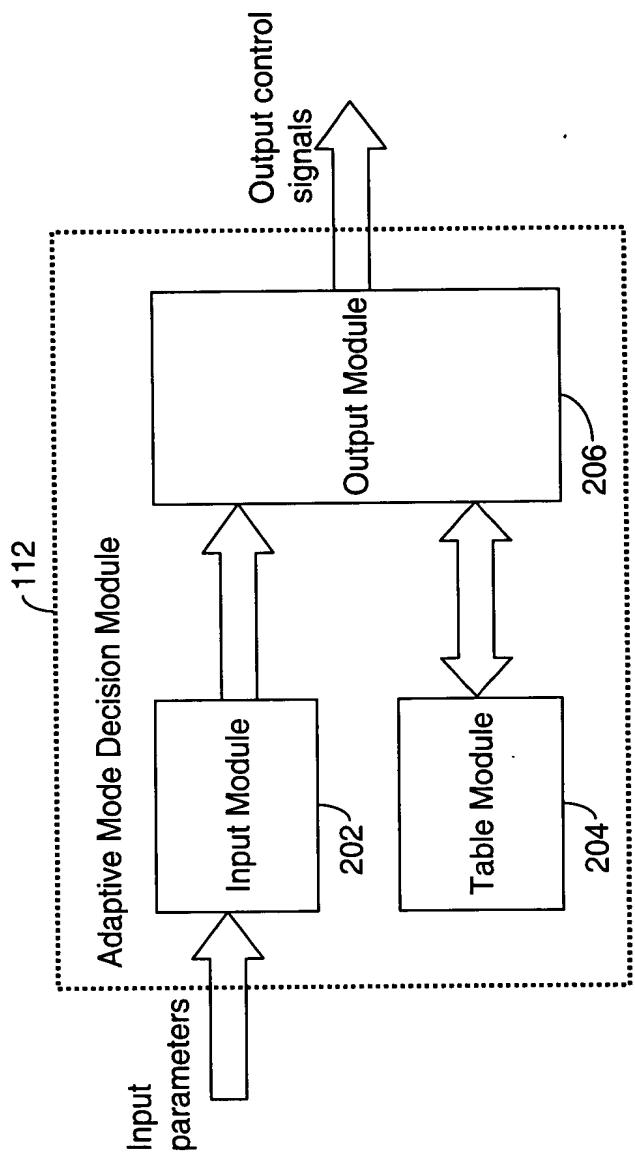


FIG. 2

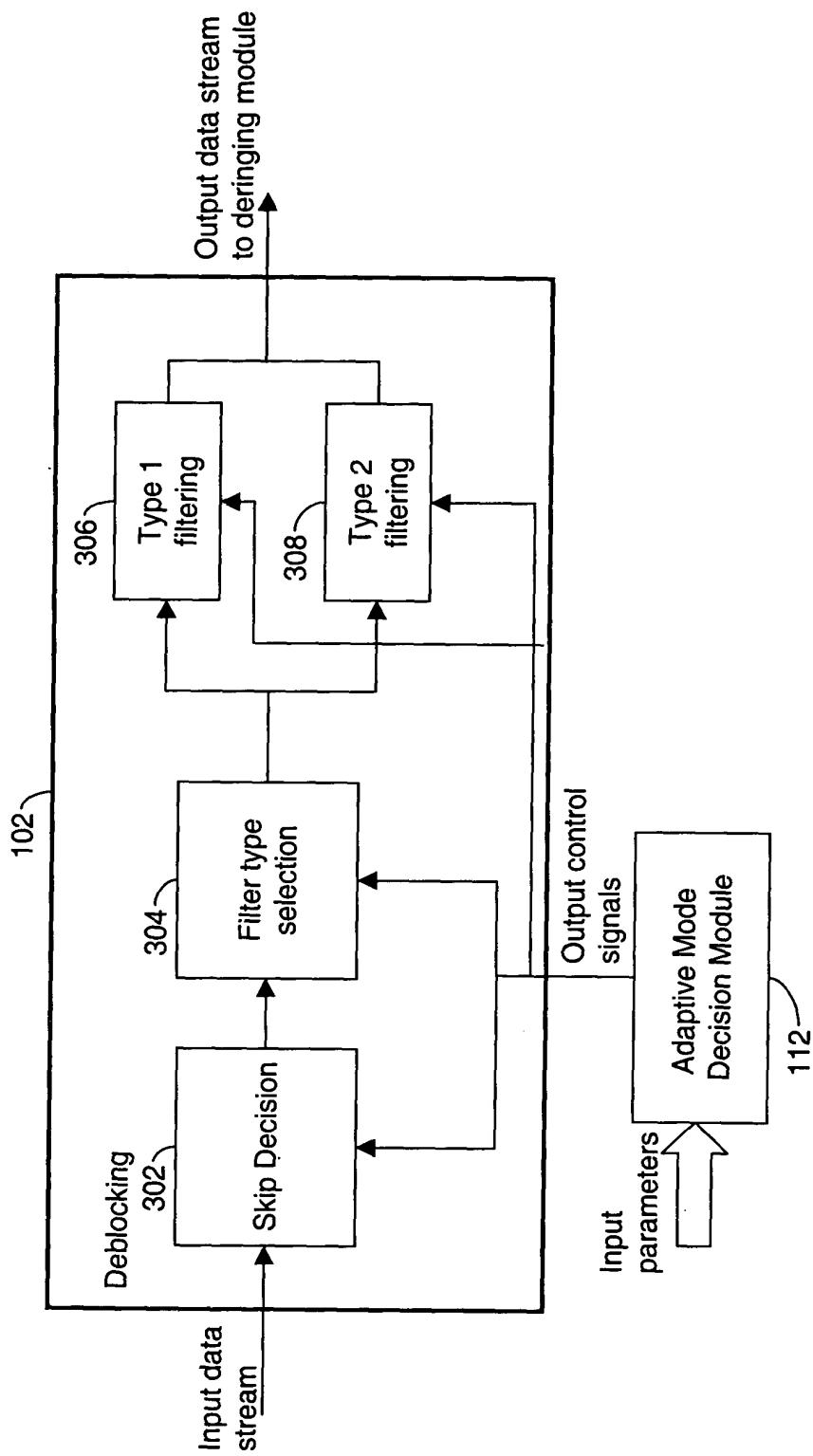


FIG. 3

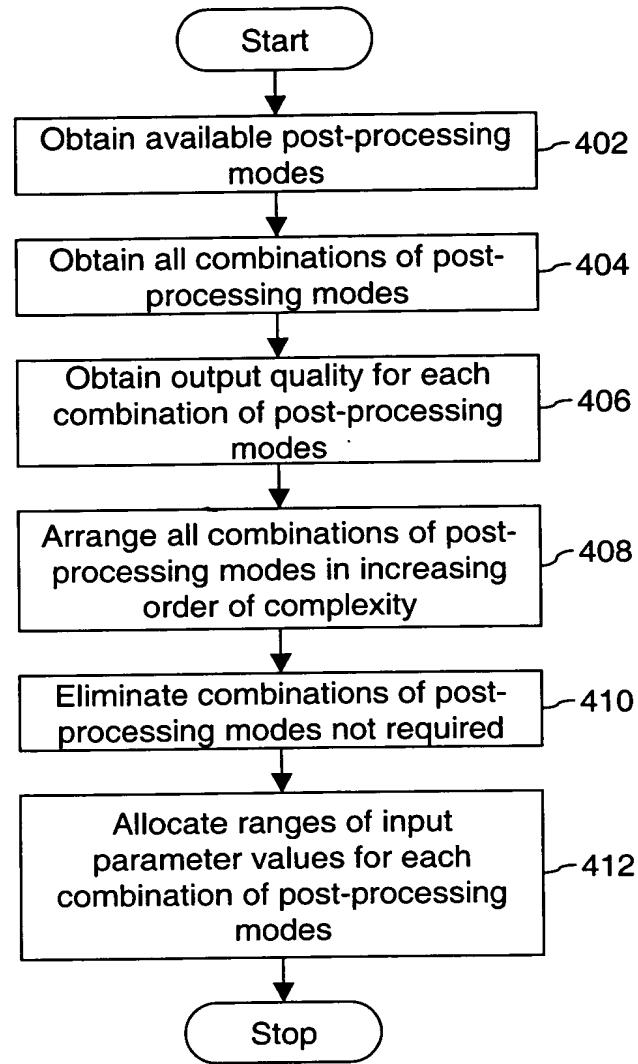


FIG. 4

Remaining Battery Power (RBP)	Skip Decision	Filter Type Selection	Type 1 Filtering	Type 2 Filtering	Deringing	Image Resizing	Bit-reduction and Dithering
$RBP \geq Thr_1$	On	High Complexity	Filter 1	Filter 2	High Complexity	High Complexity	On
$Thr_1 > RBP \geq Thr_2$	On	High Complexity	Filter 1	Filter 2	Low Complexity	Low Complexity	Bypass
$Thr_2 > RBP \geq Thr_3$	On	Low Complexity	Filter 1A	Filter 2A	Bypass	Low Complexity	Bypass
$Thr_3 > RBP \geq Thr_4$	On	Bypass	Filter 1A	Filter 2A	Bypass	Low Complexity	Bypass
$RBP < Thr_4$	Bypass	Bypass	Bypass	Bypass	Bypass	Low Complexity	Bypass

FIG. 5

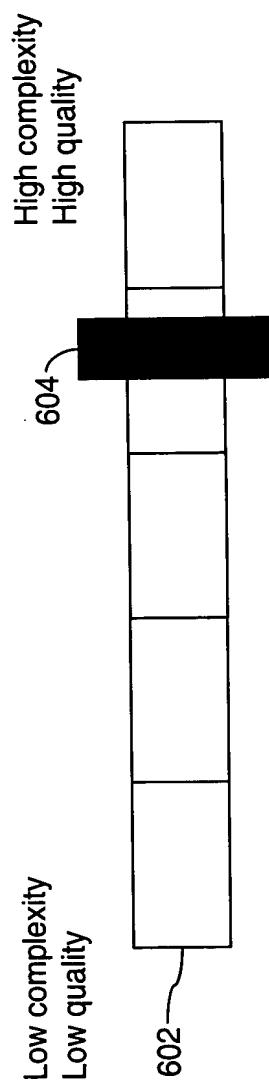


FIG. 6

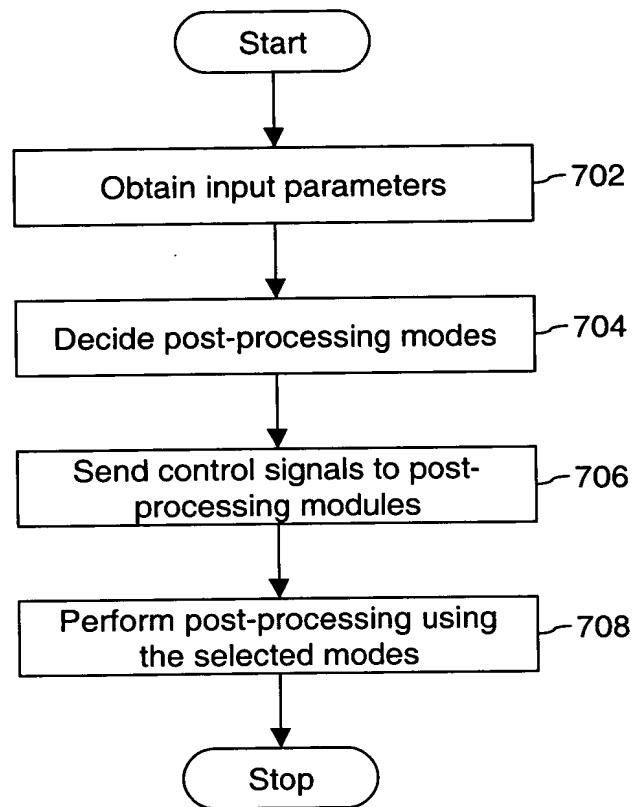


FIG. 7